

ABSTRACT

The invention relates to a device for monitoring an air supply flow or a volumetric air flow, in particular for ventilators which can also be applied for extremely low flow speeds and/or throughput rates. The aim of the invention is to produce a device cheaply and simply with essentially wear-free components which reacts to changes in the flow speed and/or the throughput rate without a time delay. Said aim is achieved, whereby the device comprises an approach flow device, the position of which may be altered relative to a mounting, against a retaining force F_M and which may be impinged by the air flow for monitoring to generate a change in the position thereof.

Furthermore, magnetic devices for the generation of a magnetic field dependent on the position of the approach flow device, detection means for recording the magnetic field and measuring means for generation of a measured signal dependent on the magnetic field are provided. The magnetic field forms at least a part of the retaining force F_M .